

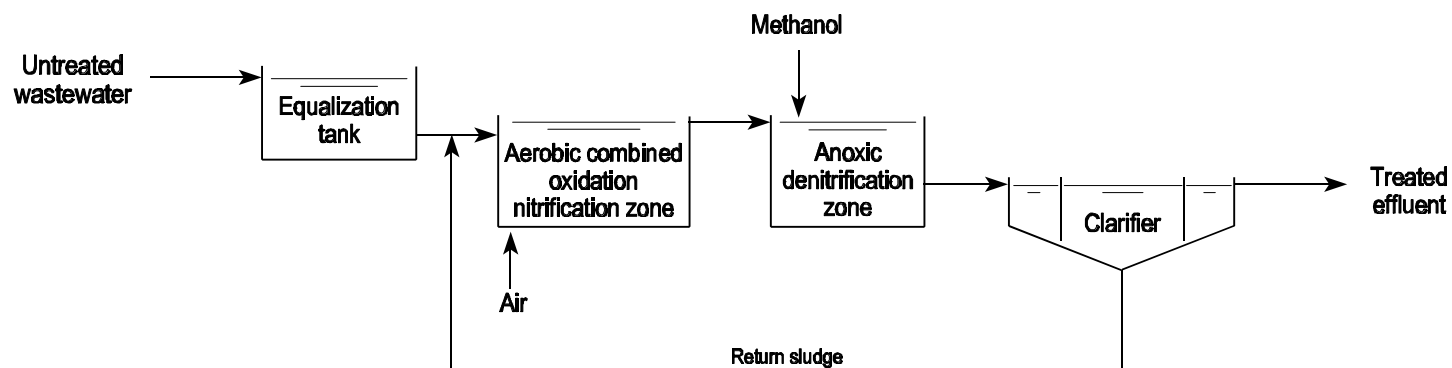
Figure 8-1. Process Flow Diagram of a Typical Biological Nitrification System

FIG_2

10/03/00



A. End-of pipe denitrification system using an external carbon source



B. Recycle denitrification system using untreated wastewater as a carbon source

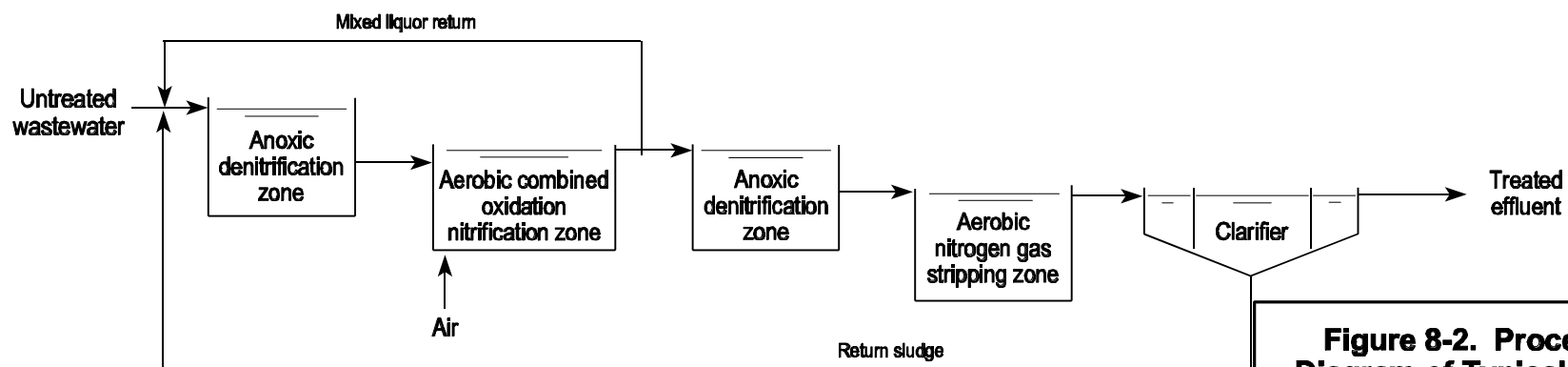


Figure 8-2. Process Flow Diagram of Typical Biological Denitrification Systems

FIG_3a

10/03/00



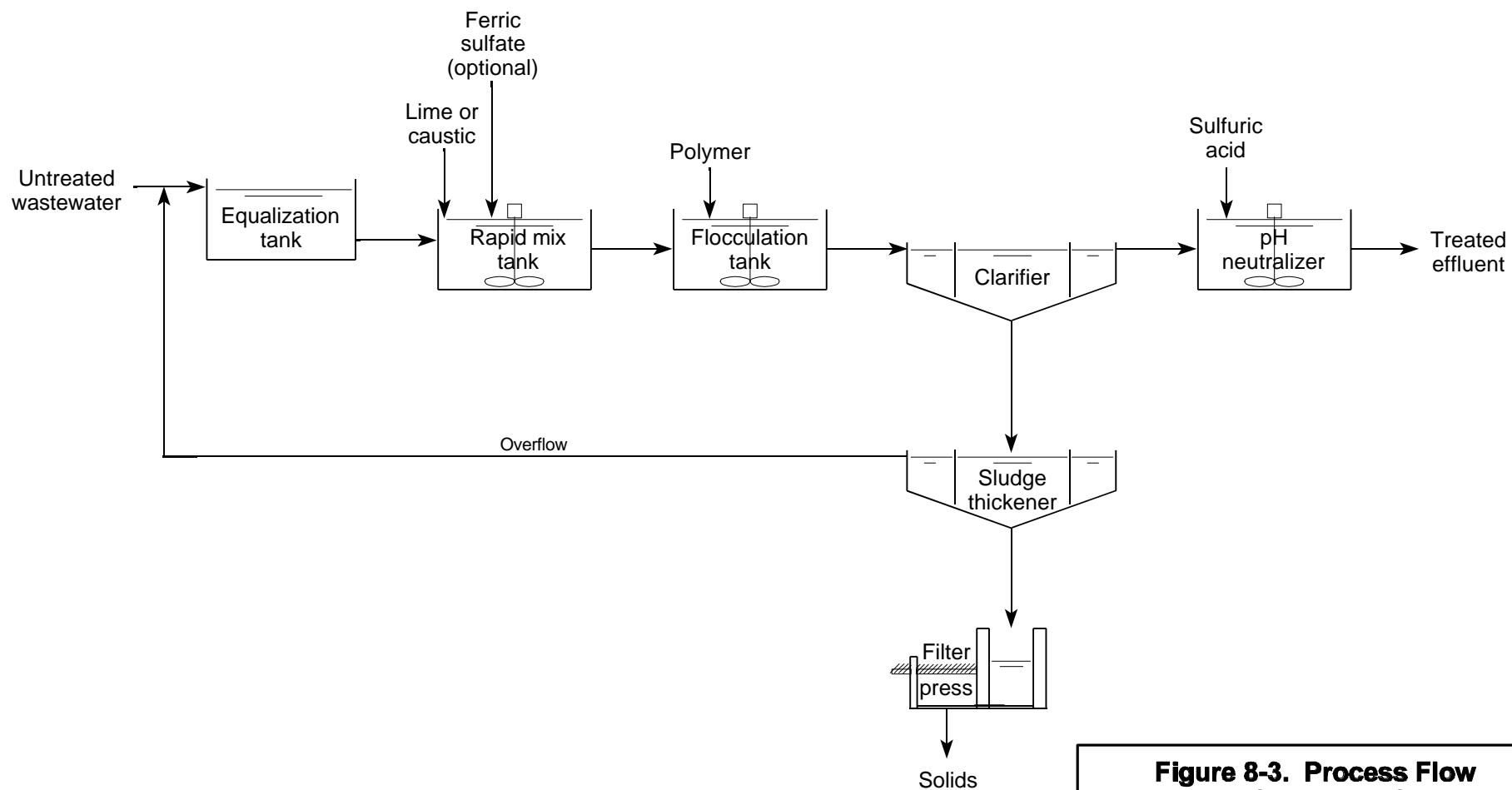


Figure 8-3. Process Flow Diagram of a Typical Chemical Precipitation System for Metals Removal

FIG_5

10/03/00



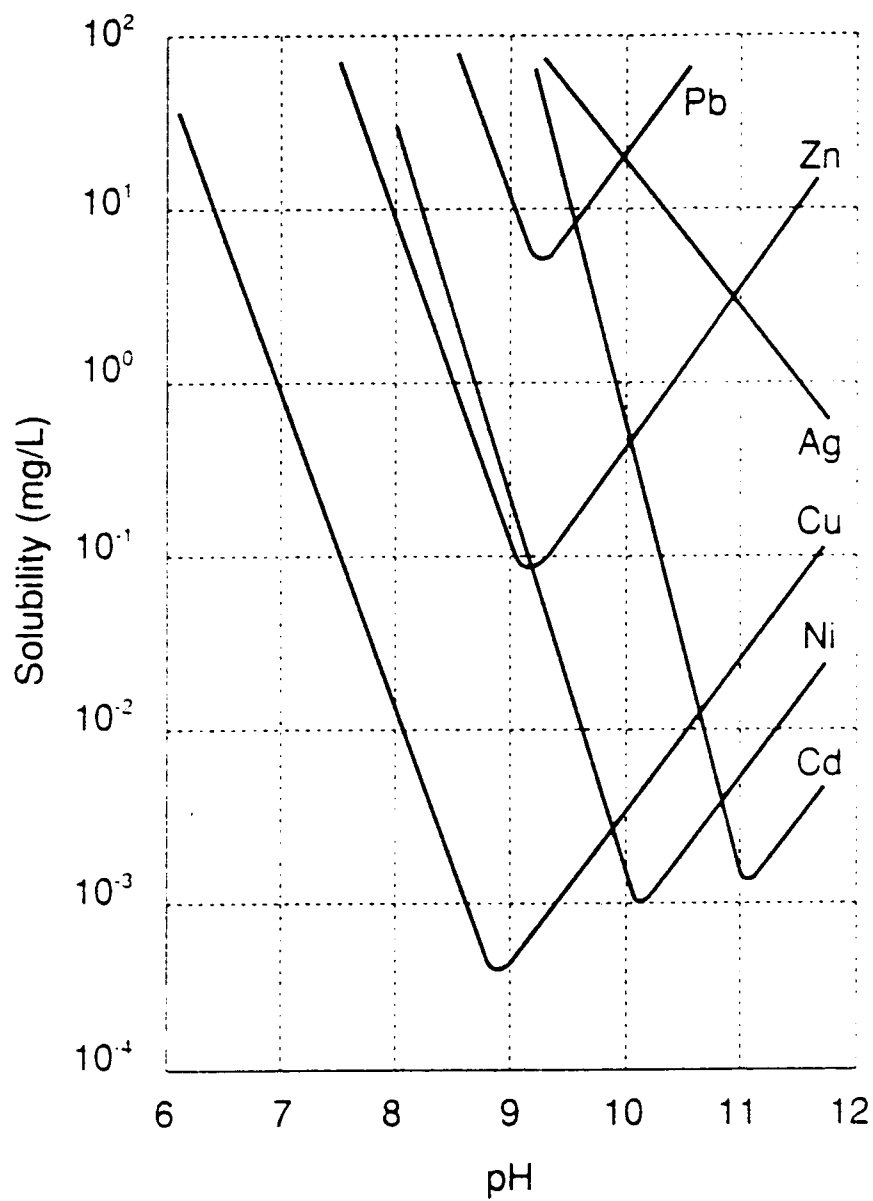


Figure 8-4. Minimum Solubilities of Various Metal Hydroxides

FIG_4

10/03/00



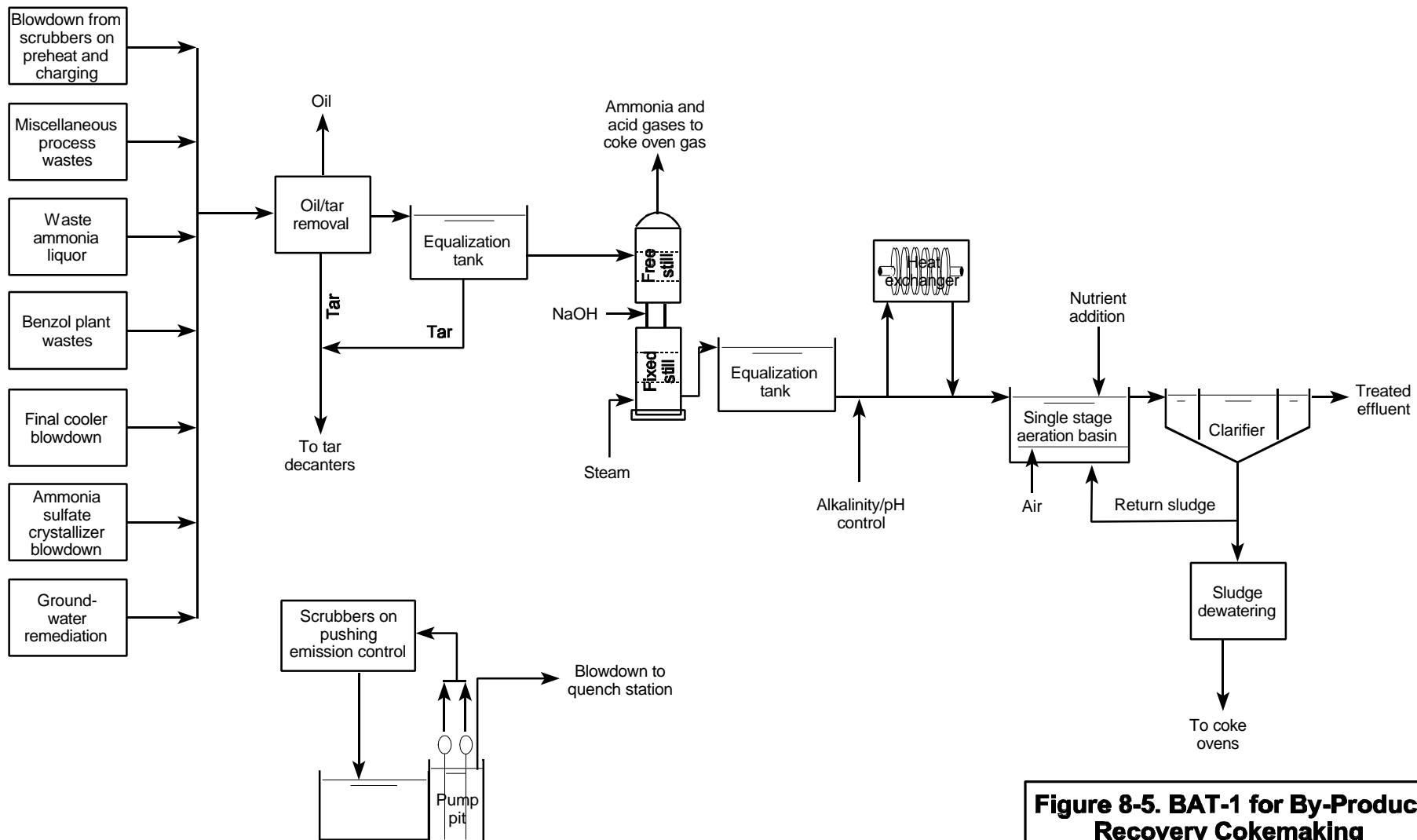


Figure 8-5. BAT-1 for By-Product Recovery Cokemaking

BAT_1

9/25/00



Cyanide Precipitation

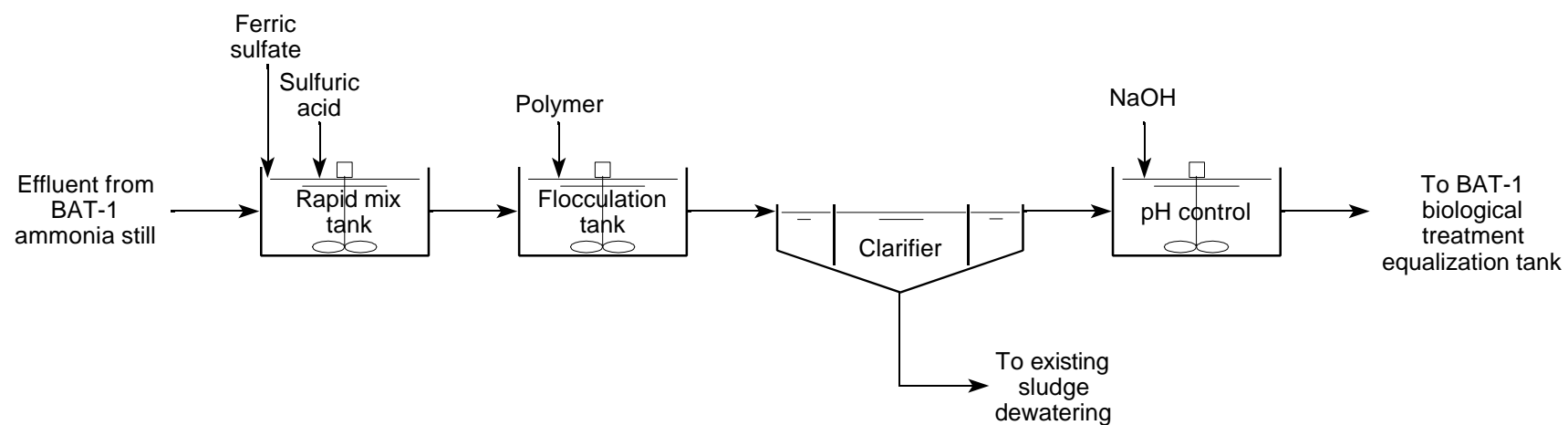


Figure 8-6. BAT-2 for By-Product Recovery Cokemaking

BAT_2

9/25/00



Alkaline Chlorination

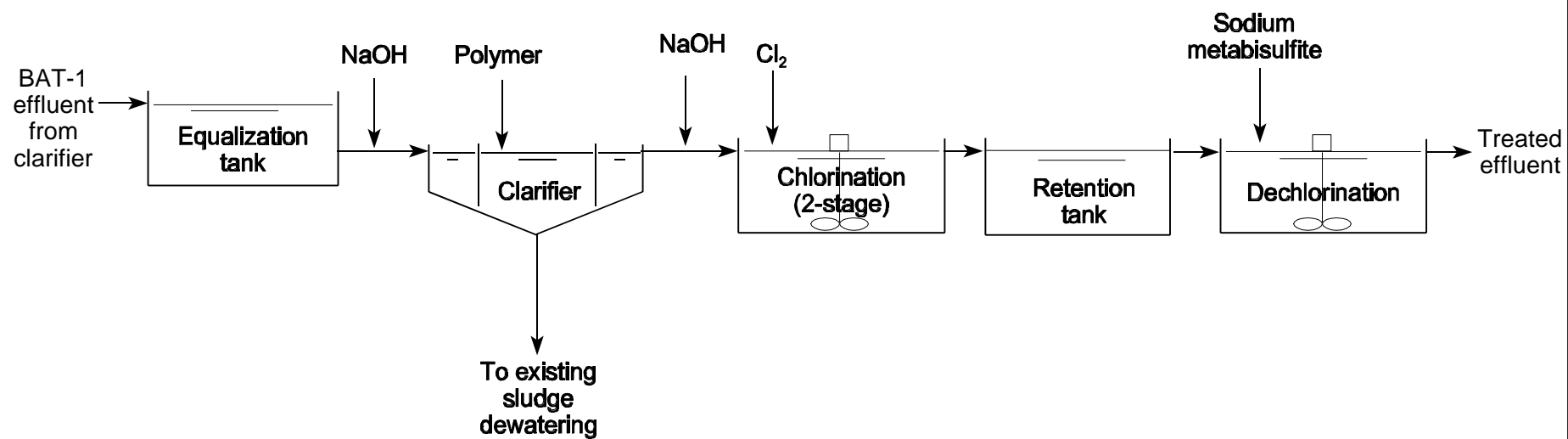


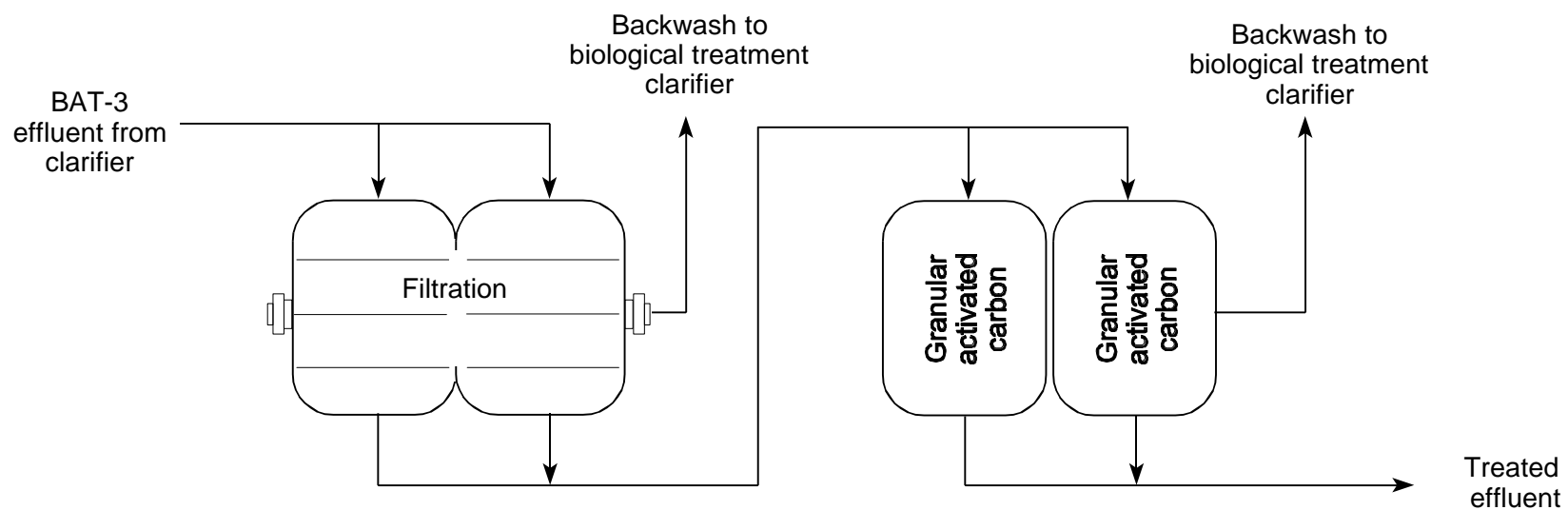
Figure 8-7. BAT-3 for By-Product Recovery Cokemaking

BAT_3

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Filtration and Granular Activated Carbon

**Figure 8-8. BAT-4 for By-Product Recovery Cokemaking**

BAT_4

9/25/00



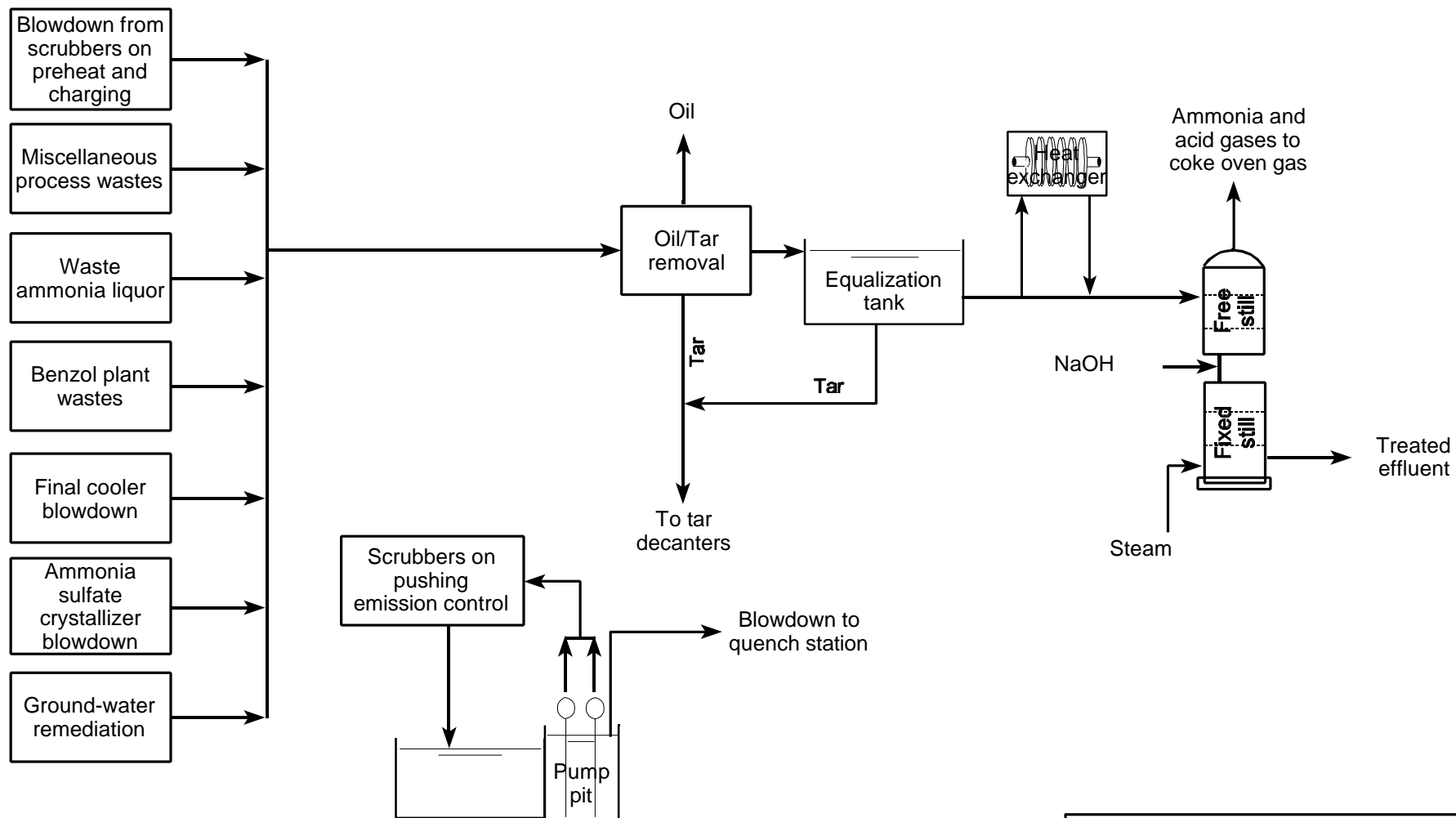


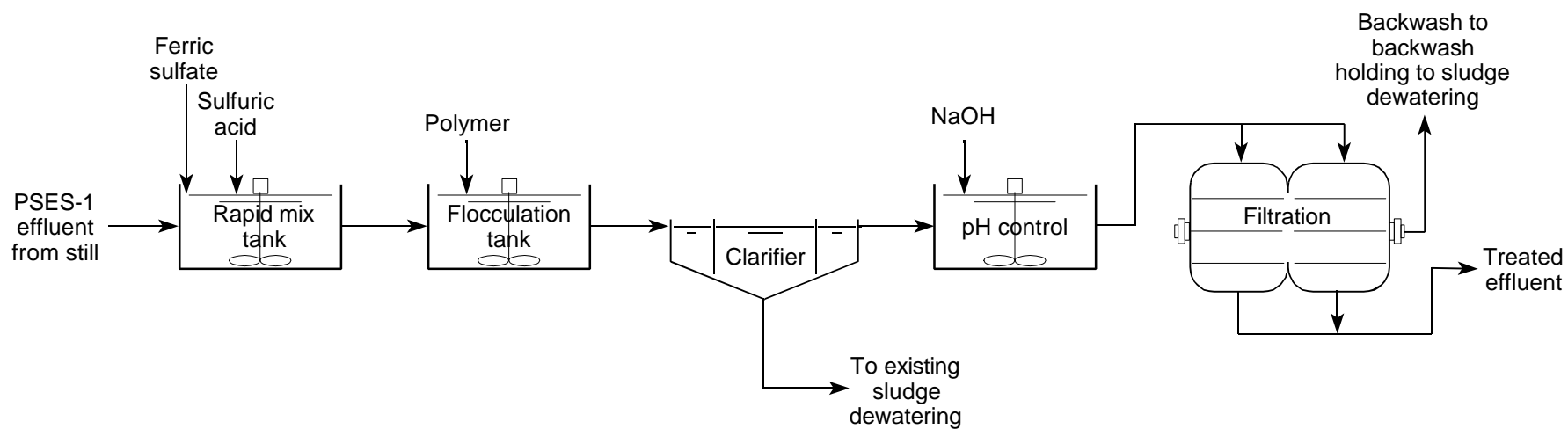
Figure 8-9. PSES-1 for By-Product Recovery Cokemaking

PSES_1

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Cyanide Precipitation and Filtration

**Figure 8-10. PSES-2 for By-Product Recovery Cokemaking**

PSES_2

9/25/00



Equivalent to BAT-1

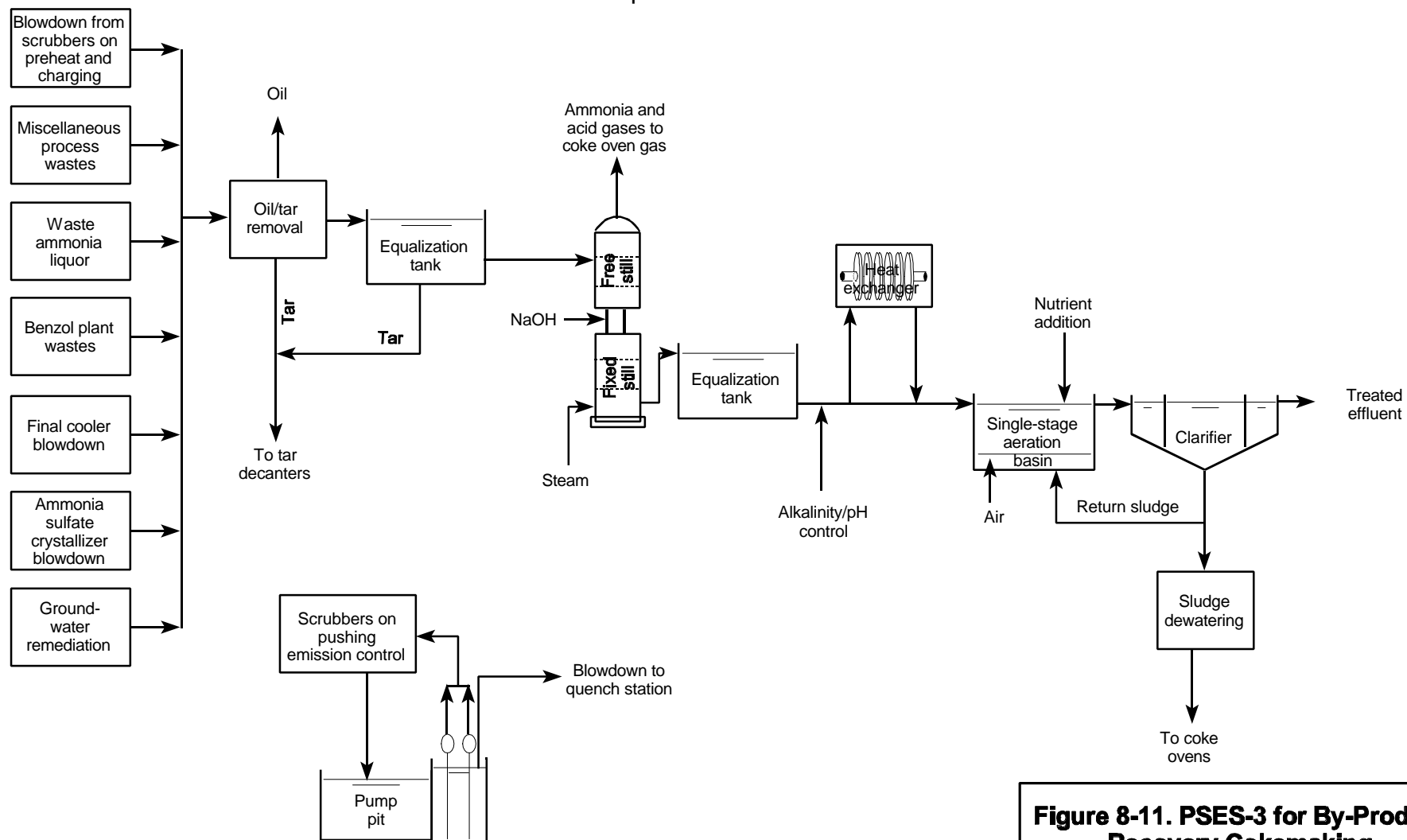


Figure 8-11. PSES-3 for By-Product Recovery Cokemaking

PSES_3

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Equivalent to BAT-3

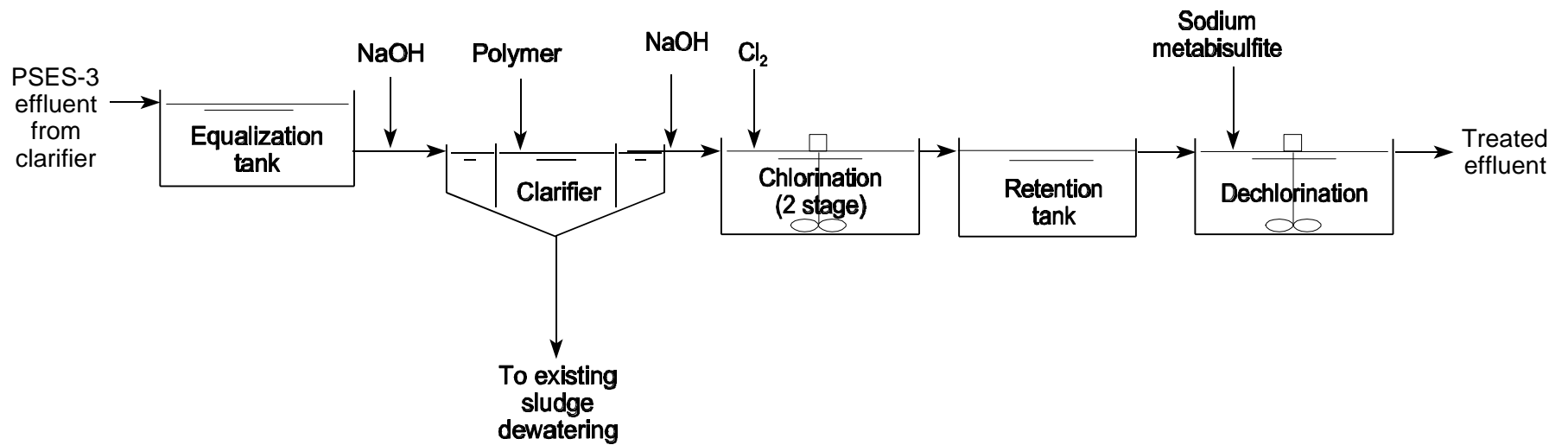


Figure 8-12. PSES-4 for By-Products Recovery Cokemaking

PSES_4

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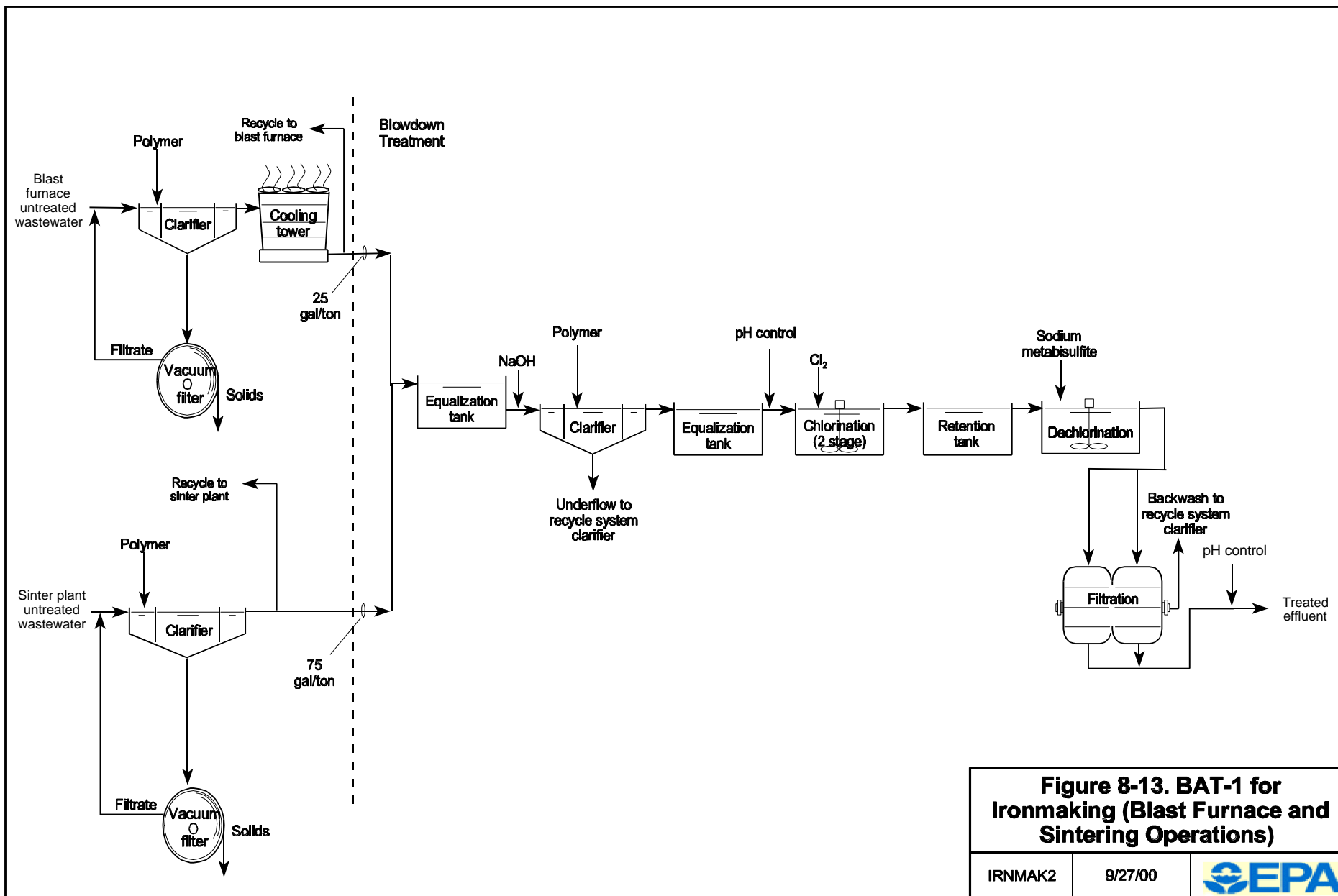


Figure 8-13. BAT-1 for Ironmaking (Blast Furnace and Sintering Operations)

IRNMAK2

9/27/00



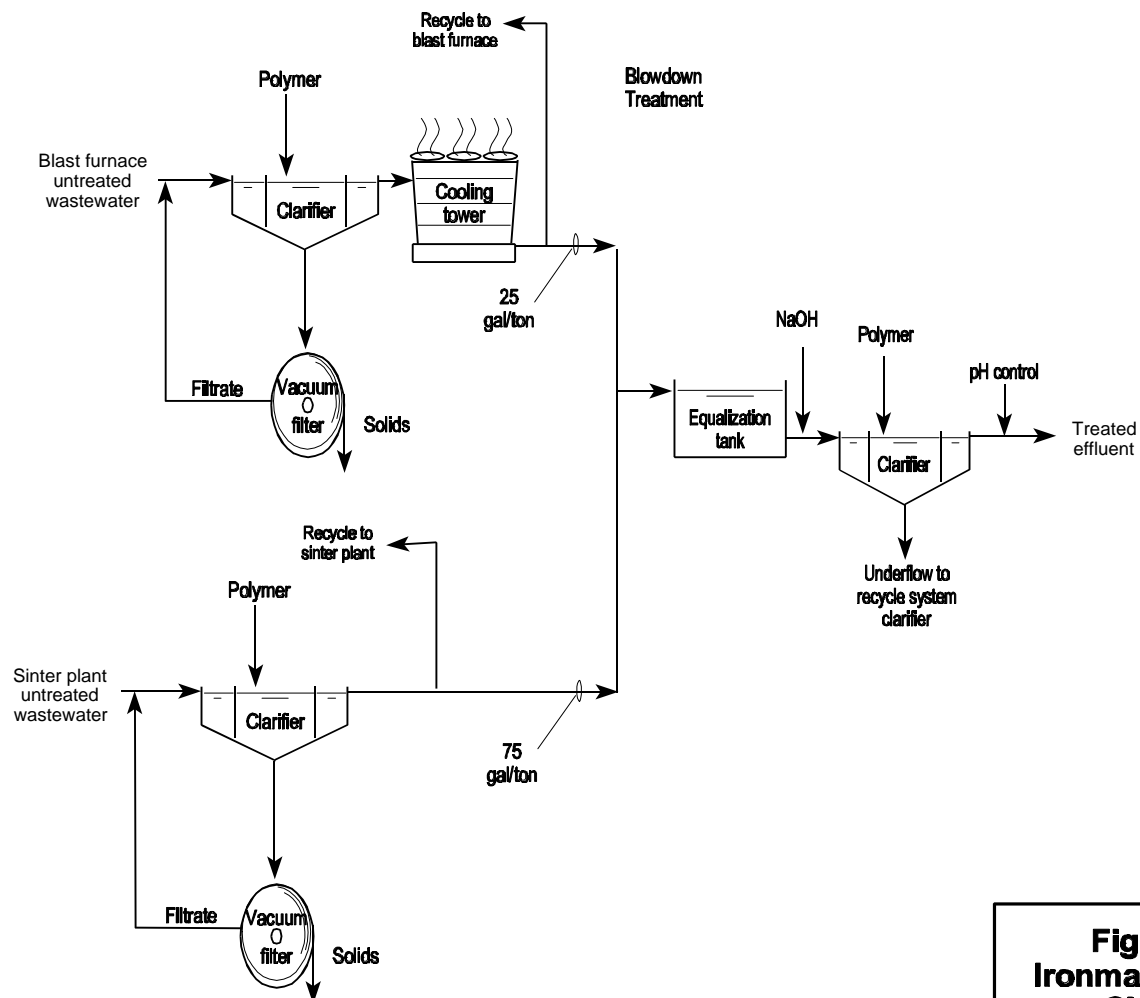


Figure 8-14. PSES-1 for Ironmaking (Blast Furnace and Sintering Operations)

IRNMAK1

9/27/00



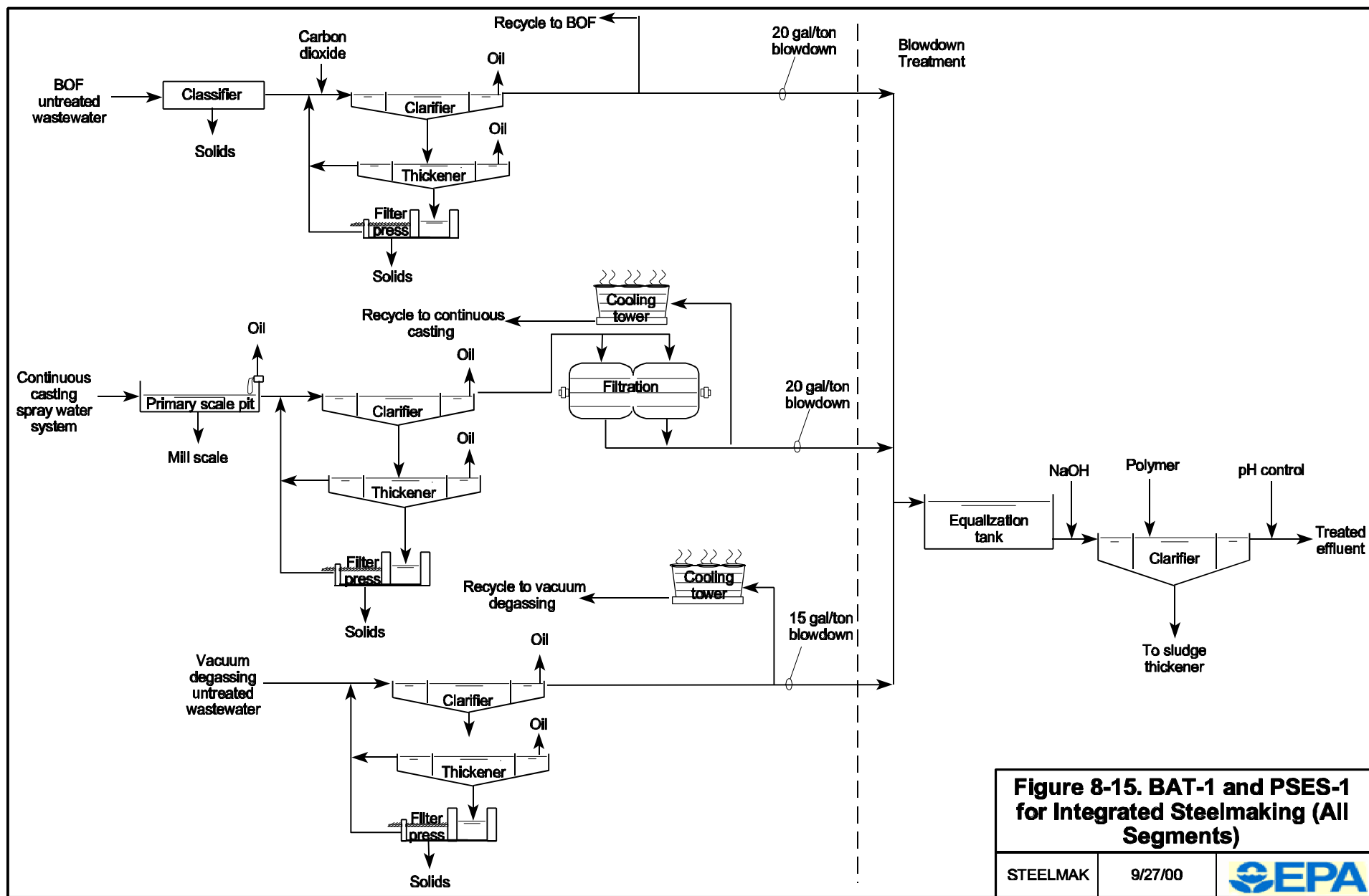


Figure 8-15. BAT-1 and PSES-1 for Integrated Steelmaking (All Segments)

STEELMAK

9/27/00



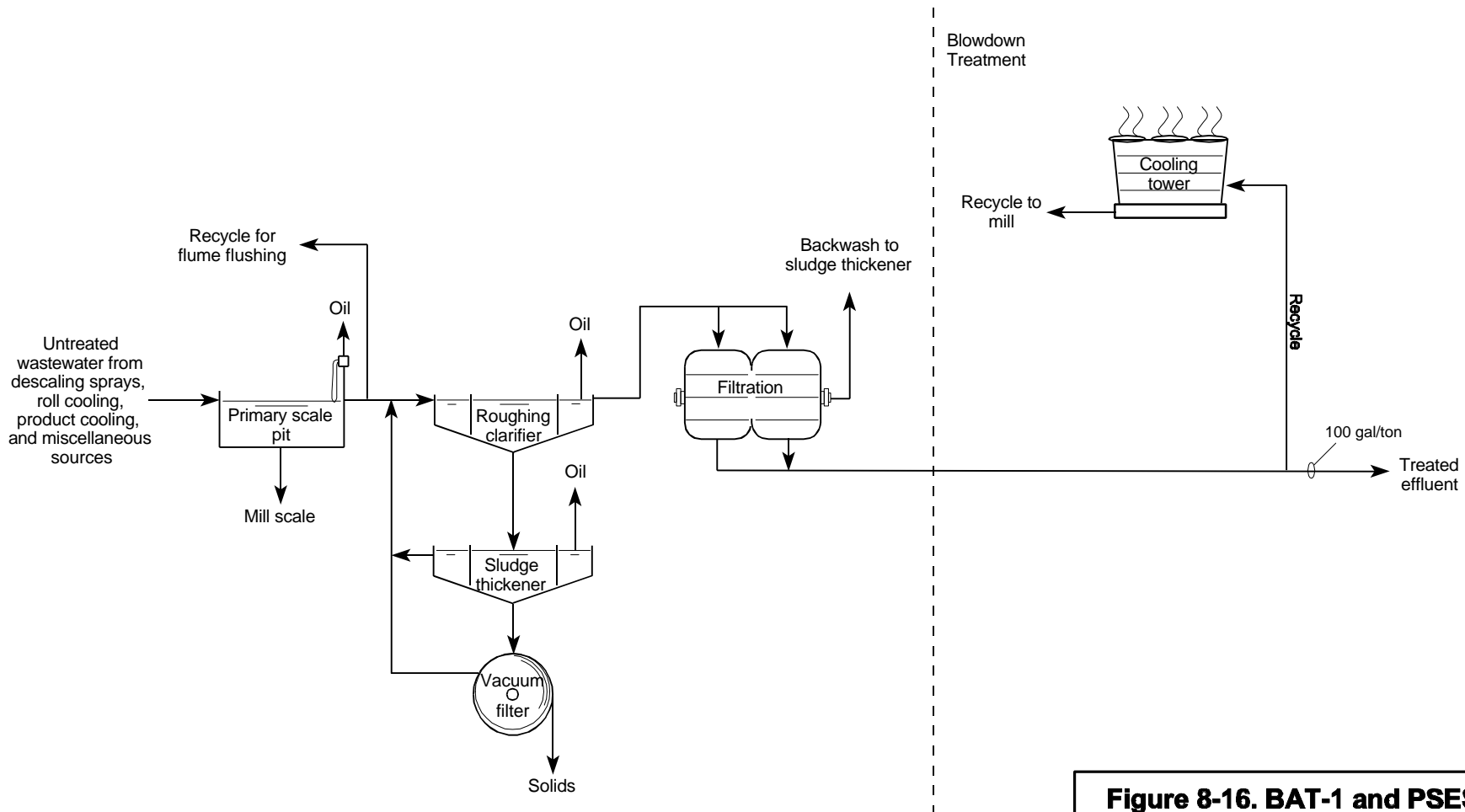
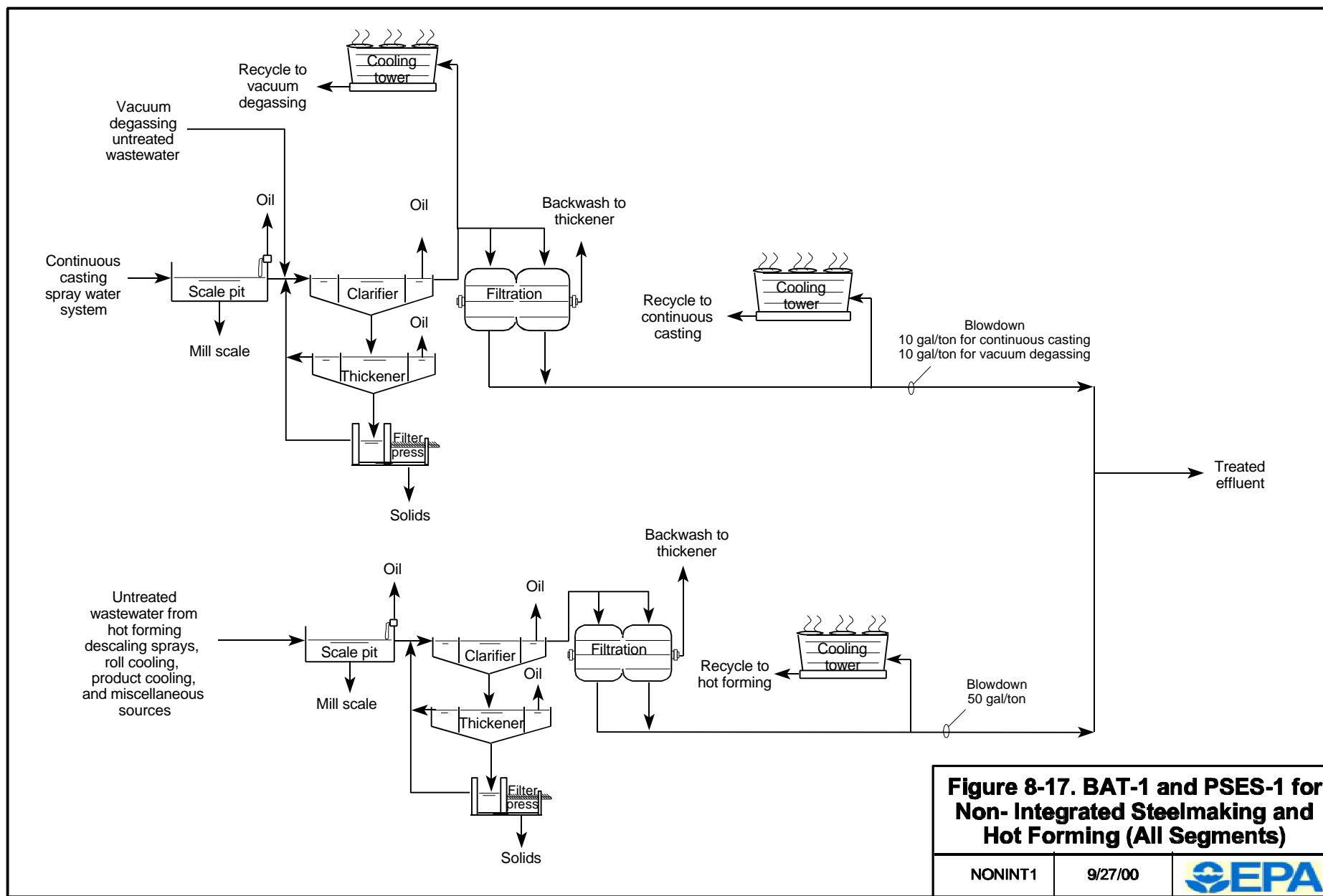


Figure 8-16. BAT-1 and PSES-1 for Integrated and Stand-Alone Hot Forming (All Segments)



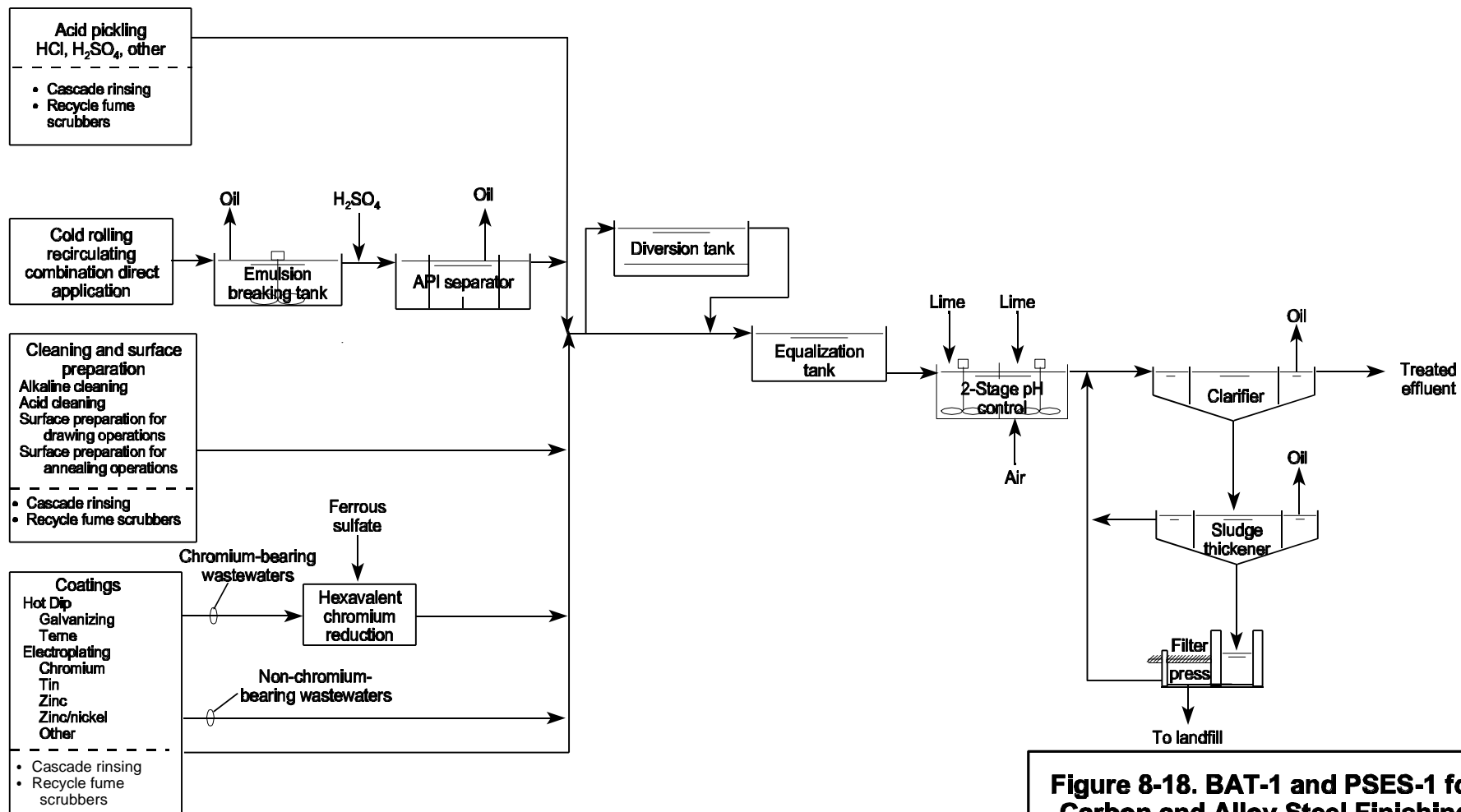
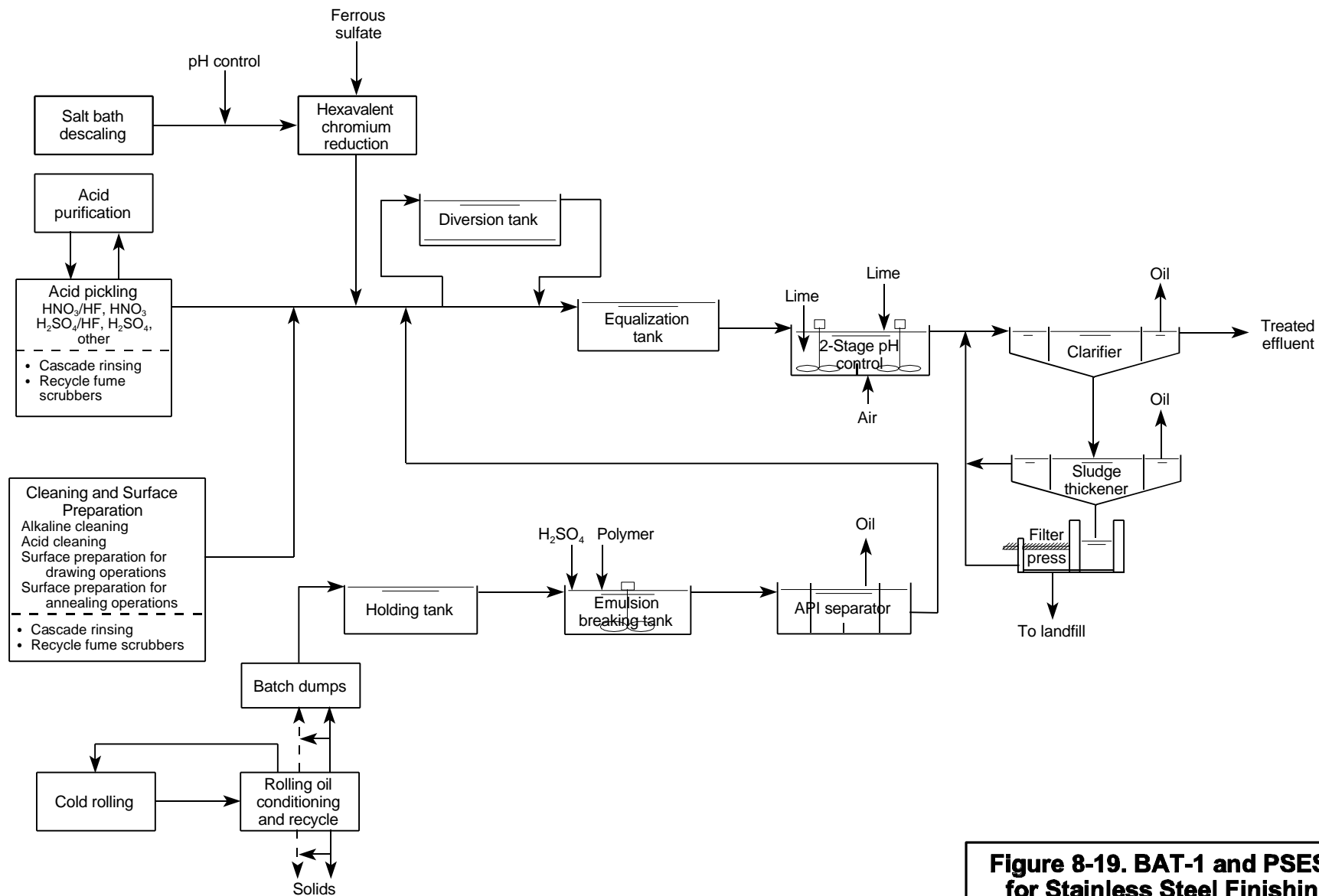


Figure 8-18. BAT-1 and PSES-1 for Carbon and Alloy Steel Finishing

BAT_PSES

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**Figure 8-19. BAT-1 and PSES-1
for Stainless Steel Finishing**

specfin

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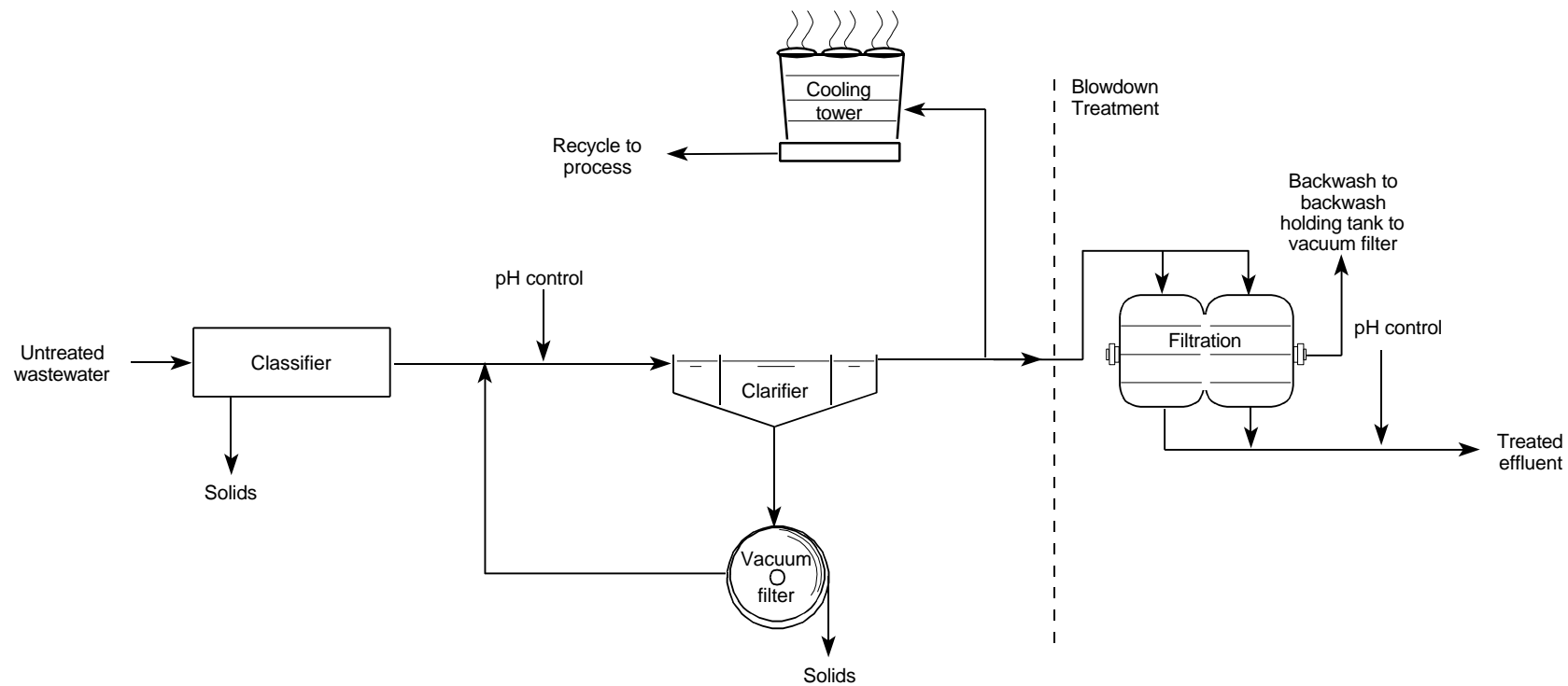
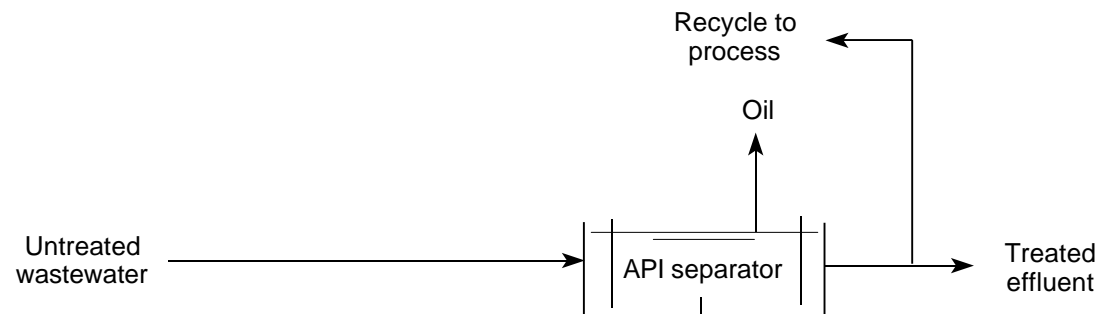


Figure 8-20. BPT-1 for Direct Reduced Ironmaking

OTHOPT1

9/27/00



**Figure 8-21. BPT-1 for Forging**

OTHOPT2

9/27/00

